

## 'Old Timers' Are Promoted In Y-12 Plant

A quartet of old time employees in Y-12 are included in this, the 22nd series of pictures and sketches of employees earning promotions since July 1, 1951. They all are in the Field Maintenance Department of the Maintenance Division.



J. S. McGee

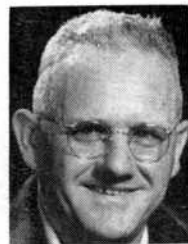


R. F. Noah

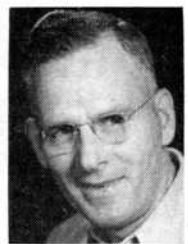
**J. C. McGee**—The veteran of the four listed this week came to work in Y-12 back on December 11, 1943. He was advanced from millwright to assistant foreman on January 1, 1952. He and his wife, Mrs. Gertrude McGee, to whom he was married in 1930, have three children, Mary Alice, Eddie and Jimmy. They live at 248 South Main St., Clinton, Tenn.

**Rufus F. Noah**—Employed in the Y-12 plant on June 19, 1944, Noah received his promotion from pipefitter to assistant foreman on January 1, 1952. Married in 1945, Noah and his wife, Mrs. Annette Noah, live at 208 Lynnview Ave., Fountain City. They have no children.

**A. M. Lowry**—Coming to work in Y-12 on November 9, 1944, Lowry was promoted from millwright to assistant foreman on September 1, 1951. He and his wife, Mrs. Grace Lowry, were married on August 1, 1929, and live at 915 Valley Vista Drive, Loudon, Tenn. They have three children, Darcus, Elbert and Barbara Sue.



A. M. Lowry



D. R. Carter

**David R. Carter**—Employed just a few days after Lowry, Carter came to work on November 20, 1944. He also was promoted from millwright to assistant foreman on September 1, 1951. Carter and his wife, Mrs. Nora Carter, were married in 1937 and have one son, David, Jr. They live at 4325 Middlebrook Pike, Knoxville.

## Spouses Of Three Y-12ers On Carbide Wives Board

Wives of three Y-12ers have been elected to membership on the executive board of the Carbide Wives for the year. They are Mrs. J. E. Barton, Mrs. L. F. Koontz and Mrs. R. A. Hamrick. New officers of the group for the year are Mrs. Tom Gayle, president; Mrs. J. E. Longendorfer, treasurer; and Mrs. W. J. Muenzer, secretary.

## 'Color Composition' Camera Club Subject Slide Contest Also Set For Tuesday Meeting

Mrs. Dean Read, wife of a Y-12er in the Health Physics Dept., will speak on "Color Composition" at the regular monthly meeting of the Carbide Camera Club to be held next Tuesday night, February 10. The session is set for 7:30 o'clock in the club headquarters in the Y-12 East Portal building and every member of the club is urged to attend.

Mrs. Read is an art school graduate and prominent in activities of the Oak Ridge Art Center. She has spoken before at meetings of the Carbide Camera Club.

The February contest of the club will be for color slides on any subject chosen by the entrants. Mrs. Read will judge the entries, which must be in the hands of Club President Janet Cisar by Saturday, February 7. She is in the ANP Division of Oak Ridge National Laboratory in Y-12.

An announcement of the program of photographic and color slide contests for the remainder of the year will be made at the meeting next week.

## Ham Patties Feature Cafeteria Special Lunch On Thursday

Ham patties with apple sauce will be the entree featured on the 50-cent plate lunch to be offered at the Y-12 cafeteria tomorrow, Thursday, February 5. This entree will be accompanied by a vegetable, choice of salad or dessert and rolls and butter.

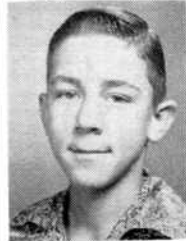
The first special plate lunch was served last Thursday and Y-12ers found the offering attractive apparently, as a large number of the lunches were served during the noon hour. It is planned to serve the 50-cent special every Thursday.

## Liquid Helium Aspects Topic Of Seminar Meet

"Liquid Helium 3—Some Recent Aspects" will be the subject of discussion at a meeting of the Oak Ridge Physics Seminar at 3:15 o'clock Friday afternoon in the auditorium of the new research building at the Oak Ridge National Laboratory. Dr. J. G. Daunt, of Ohio State University, will lead the discussion.

## Son of Y-12er Has Fine Trip to Inauguration

Jefferson Junior High School pupils these days are getting an earful of experiences and impressions of Washington, D. C., at inauguration time. The narrator is Johnny Bagwell, 12-year-old son of Lee Bagwell, Y-12 Safety Department Supervisor.



John Bagwell

Young Bagwell not only made a trip many grown-ups would have given plenty to have made—but got it for free. He was guest of the Knoxville News-Sentinel along with three other youngsters who excelled in obtaining subscriptions to the Knoxville afternoon daily during a one-week period prior to the inauguration. Johnny Bagwell was tops in the entire circulation area in increasing his Oak Ridge route. Other boys represented Knoxville, the Kentucky-Virginia area and one was lucky in drawing the lucky chance for the trip.

**Traveled In Style**  
The N-S party left Knoxville on the afternoon of Monday, January 19, traveling in style via Pullman with big dining car meals. On arriving in Washington the following morning they had breakfast and then started a period of sightseeing that took them to the Smithsonian Institution, the Justice Department and other government buildings. Then came one of the high spots of the trip—lunch with Tennessee Sen. Estes Kefauver in the United States Senate dining room.

After lunch the youngsters had a grandstand view of the inauguration parade and watched the dignitaries roll by. After dinner the youngsters went to a movie, then went back to the station to fall asleep long before the train left at midnight to conclude a busy 14 hours in the capital city.

Now Johnny has been "booked" for a lecture tour at Jefferson, where he is a student, describing his visit in talks to various classrooms.

## OHIO EMPLOYMENT SEEN

More than 20,000 construction employees and approximately 1,180 operating employees are expected to be on the job building the Ohio atomic energy plant by the end of 1953, it is predicted by the Portsmouth Times.

## Off Job Mishaps Far More Costly Than Plant Accidents To Y-12ers

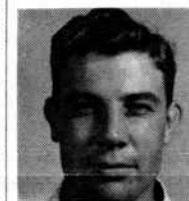
**"Don't Leave Safety In Plant," Department Urges As 1,347 Days Lost Away From Work**

"Don't leave your safety habits in the plant when you leave—"

That is the plea of the Y-12 Safety Department to all employees to exercise the same caution and care in their activities off the job as they have on the job during the past year. The appeal was issued after a tabulation of off the job accidents showed that there were 96 such mishaps causing a loss of 1,347 days of work during 1952.

## Y-12er Works Seven Years... No Absences

There are a number of excellent attendance records in Y-12—but folks in the Product Processing Department in Bldg. 9212 join with Carl K. Poland, an assistant process foreman, in being proud of his mark of seven years without an absence. He completed his seven years of employment in Y-12 last Thursday, January 29, having been hired on that date back in 1946. He was busy receiving congratulations last Thursday on his record and work anniversary.



C. K. Poland

The Y-12 man has lived in Rockwood, Tenn., ever since coming to work here and he is building a home for his family that consists of his wife, Irene, and four children—Jerry, Carl, Shelley and Sandra. He commutes to work in Y-12 every day by automobile and has had good luck in driving over the past seven years to keep his attendance record intact.

## Charpie Will Address Meet Of Shielding Seminar Today

R. A. Charpie, an Oak Ridge National Laboratory scientist stationed in Y-12 will speak at a meeting of the Reactor Physics Shielding Seminar set for 8 o'clock this morning, February 4, in the auditorium of Bldg. 4500, new research building, at ORNL. Charpie will report on the recent Chelf River Conference on Reactor Computations and Y-12ers interested in the subject are invited to be present.

## Y-12ers Working Elsewhere Before Coming To Carbide Urged To Check Wage Records For Completeness With S.S. Office

Every Y-12 employee who had one or more employers during a calendar year before coming to work for Carbide is urged by the Social Security Administration of the Federal Security Agency to be sure and check on the completeness of wage reports made by those employers. The information may be obtained from the Knoxville office of the FSA, 511 West Church Ave., as can explanatory pamphlets on 1952 amendments to the social security laws that tell in detail just what benefits will be paid persons receiving social security benefits.

The FSA urges everyone to carefully protect their social security cards and records. This insures completeness and accuracy of wage records so that correct benefits will be paid on retirement or death. Social security cards are, in fact, insurance policies.

At present deductions of one and one-half per cent of wages up to \$3,600 are made from employees in Y-12 for social security taxes. This is matched by the Company for a total of three per cent. Just as the amount of the

total tax contribution is based on earnings, so are benefits payable under the law are related to the average monthly wage.

The monthly retirement benefits under the new act range from a minimum of \$25 to a top of \$85. For example, a monthly wage of \$100 would pay \$55 per month—if the average wage is \$200 the benefit would be \$70. The maximum benefit payment of \$85 is payable when the average monthly wage is \$300. Maximum family benefits can be \$168.80 per month.

These figures compare most unfavorably with only 15 lost time accidents on the job that caused a loss of 611 days of work. **Many Accidents Avoidable**

Reports on the off the job accidents show that practically every one of them were avoidable. Y-12ers involved and injured were not to blame in many of them—but in the vast majority of the mishaps some violation of a cardinal safety rule or carelessness somewhere along the line resulted in the accidents.

Records of off the job accidents reported to the Safety Department show that 35 were traffic mishaps, 32 occurred in homes, 14 were the result of recreation and sports accidents not under supervision of the Y-12 Recreation Office and 15 were of miscellaneous nature. The automobile mishaps caused by far the largest number of lost days—710—with home accidents next with 291. Recreation and sports accidents caused a loss of 168 days and others 178 days.

**45 Days Greatest Loss**  
The greatest loss of time from any one accident was 45 days suffered by a Y-12er who lost control of his automobile, the vehicle running off the road and turning over. A fractured vertebra and fractured rib were sustained by the victim. Another costly accident that was not the fault of a Y-12er came when an oncoming automobile went out of control and crashed into the Y-12er's car, the latter suffering a shoulder injury that kept him away from work for 35 days.

Another Y-12er lost 33 days of work as a result of a neck injury sustained when his automobile collided with another vehicle that pulled across a road without stopping, a flagrant bit of carelessness on the part of the other driver. In another wreck a Y-12er lost 21 days of work as a result of bruises on the head and chest suffered when he was thrown into the windshield of his automobile as it ran into the rear of another car that stopped in front of him.

**Home Accidents Varied**  
Home accident causes were varied and included falls of various kinds, sprains and strains from lifting and moving heavy articles and other domestic mishaps. Careful planning of home work and

Continued on Page 2

## SAFETY SCOREBOARD

**Your Plant Has Operated 29 Days**

**Without A Lost Time Accident**

**Through February 1**



# The Bulletin

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## Instrument Society Will Hear McFadden

A lecture, demonstration and question and answer period on "Gas Analysis by Thermal Conductivity" will be given at the meeting of the Oak Ridge Section of the Instrument Society of America tonight, Wednesday, February 4. The speaker will be James L. McFadden, president and treasurer of the Gow-Mac Instrument Co. and the meeting is scheduled for 7:30 p. m. in the East Lounge of the Ridge Recreation Hall.

McFadden will discuss the electric circuits involved and performance expected of thermal conductivity cells required in gas analysis. He has delivered similar talks to the Analytical Instrument Clinic in Cleveland, Ohio, and other groups throughout the country. McFadden is a graduate of Columbia College and in 1915 organized the Gow-Mac firm. He participated in the first instrument maintenance clinic of the ISA in St. Louis, Mo., in 1949 and also was on the educational staff of the ISA Cleveland Conference of 1952.

The program committee of the Oak Ridge Section of the ISA has completed the program topics for the year. For the first half of the year an integrated program on process control will be presented and in the final half instrumentation for reactors will be featured. A list of capable speakers are being booked to discuss various phases of the projects.

## Records Of AF Reservists To Be Checked By Team

Air Force reservists in Y-12 and elsewhere in Oak Ridge are urged to report to an inventory crew that will be in Oak Ridge during the next few days to check military records of the reservists. Col. William N. Darwin, of Norris, who will head the inventory team, has stated that the inventory is being held to bring records on physical status, education, job skills, dependency status, current residence and other facts up to date and that there is no plan to order reservists to involuntary active duty.

The inventory will be held at the Organized Reserve Corps armory on the Oak Ridge Turnpike at Elza Gate. The team will make the inventory on February 9 from 1 p. m. to 9 p. m., on February 10 from 9 a. m. to 5 p. m. and on February 14 from 8:30 a. m. to 5:30 p. m.

## Reactor Engineering Group Will Hear Talk By Cole

Thomas E. Cole, of the Research Director's Division, will speak on "Reactor Nuclear Instrumentation for Engineers" at a meeting of the Reactor Engineering Seminar tomorrow afternoon, Thursday, February 5. All Y-12ers interested in the subject are invited to attend the session in the third floor conference room, Bldg. 9201-3.

The discussion will include correlation of reactor characteristics, the information required from instruments and the selection and availability of instruments.



Ka-choo, ka-choo. Old man flu—PLEASE go 'way—and don't come back no other day. That's Y-12ers' song of the week.

Fellow employees of Edith Zarzecki, a secretary in the Analytical Chemistry Division of ORNL in



Y-12, are congratulating her on being named "secretary of the week" by the Oak Ridge Chapter of the National Secretaries Association. She is an employee in Y-12 of nine years and is treasurer and charter member of the Oak Ridge secretarial group.

The Electrical Maintenance Department extends hearty congratulations to M. L. Chandler, who is the proud papa of a 10-pound baby boy born January 27. Sympathy is extended to B. P. Hagood, whose father passed away recently in Burlington, N. C.

The Property Sales Department welcomes Ross H. Eichorn to the roster.

The Engineering Department welcomes Norma Pyle, R. A. Williams and Raymond Rochat to their roster. Get-well wishes are extended to the folks on the sick list who are Tom Andress, Alan True, Joan Smith and Kenneth Cook.

The folks in the Analytical Chemistry Division and the many Y-12 friends of Elizabeth Young extend sympathy to her at the death of her mother on January 26, in Sweetwater.

C. M. Waddell, of Buildings and Grounds, spent last week's vacation in Georgia coon hunting. J. W. Jarnigan is vacationing in Georgia this week. T. B. Johnston is spending this week's vacation moving and getting settled in his new home over in Knoxville.

The Security Department extends get-well wishes to Betty Whitehorn, who was on the sick list last week with the flu.

The Badge and Pass Department extends get-well wishes to Nora Moss, who was another flu case last week.

The Manufacturing Offices extend get-well wishes to all their folks who were on last week's sick list who are Sarah Keith, who is a patient in Fort Sanders Hospital in Knoxville, Joyce Treece, Helen Cunningham, Glen H. Kindred, Barbara Shuler and R. R. Tippy.

Vacationers from the Guard Department last week were G. W. Boggs, R. V. Adkins and D. I. Davis. Get-well wishes are extended to Capt. Raymond Ledford, who was on the sick list last week with the flu.

The Cafeteria Department extends get-well wishes for Rosa Lowe, who was another flu case last week.

The Health Physics Department wishes a speedy recovery for E. C. Long, who is recuperating after a tonsilectomy in the Oak Ridge Hospital. And get-well wishes are extended to Pauline Applin and to Dorothy Bowman, who have the flu. A welcome is extended to Winnie Zimmerman, who has returned to the department after spending some time at the University of Tennessee.

The Personnel Department extends get-well wishes to the folks on their ailing list who are Louise Gardipee, Betty Jo Butler and Opal Griffin.

The Planning and Estimating Department extends hearty congratulations to H. D. Duncan, who is the proud papa of a seven-pound, 10-ounce baby boy born January 28, at the East Tennessee Baptist Hospital in Knoxville—the Duncans named the little fellow David Thomas. A welcome is extended to W. D. Russell, who is the latest addition to the roster.

Get-well wishes go to F. A.

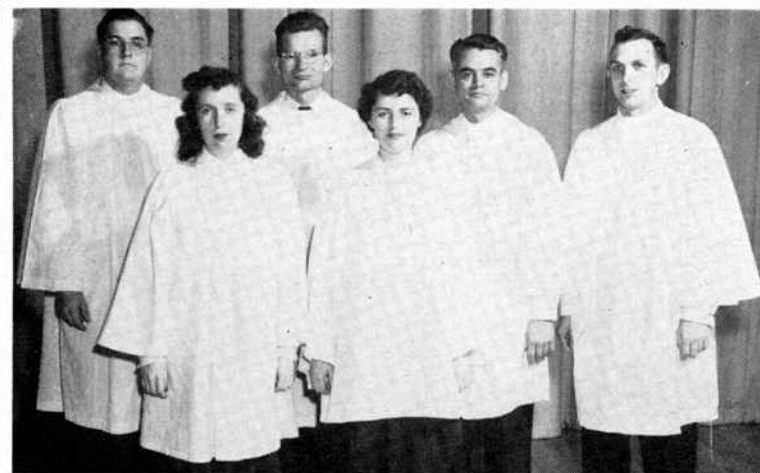


## Off Job Accidents Are Costly To Y-12ers

Continued from Page 1  
using safe principles in such work could have eliminated many of these accidents.

The recreation and sports accidents also cover a wide field, including fractures and sprains in contact sports to having a fish hook stuck in a hand. The miscellaneous accidents were mostly minor, but still rolled up a large number of lost working days for the victims.

So—for safety's sake—says the Safety Department, go about outside activities with the same safety viewpoint that is used on the job to establish such a fine record inside the plant. It will pay dividends both from the economic standpoint as well as in continued good health.



ONE OF THE FINEST CHORAL GROUPS IN THE SOUTH is the Oak Ridge Community Chorus, in which several Y-12ers are active members. The Y-12ers in the chorus are shown below with Jeanne Rogers and Betty Green, left to right, in front. In the rear are Warren Keller, Edward Darden, Robert Knight, frequently a soloist; and James Warner. In the picture of the entire chorus at top left is Clark Rhodes, director; and Virginia Chambers, pianist. At right is Dr. Carl Alette, organist.



The following Y-12ers were patients in the Oak Ridge Hospital last week: Edward C. Long, Health Physics; Lois K. Penland, Uranium Control and Computing; Loyd A. Tolliver, Chemical; Robert F. Adams and Joe Latham, Maintenance Shops; Emil W. Osborne, Product Precessing; Alvin I. King and Harry W. Montgomery, Field Maintenance; Alan H. True, Electrical Maintenance; Lucille K. Hatmaker, Manufacturing Offices.

Watson and to Doris Thomas, who are ill with the flu.

The Stores Department welcomes Joan Howard to the roster. Best wishes are extended to Imogene Marshall, who terminated last week to become a full-time housekeeper. Get-well wishes go to Eva Williams, who is ill with the flu.

The Fire Department welcomes Ellen George to the roster. C. A. Cook is spending this week's vacation at home in Clinton in order to take care of the children while his wife is in the hospital—a speedy recovery is wished for her.

"Who introduced you to your wife?"  
"We just met; I'm not blaming anyone."



## Uranium Recovery Unit Begins Work

The first commercial unit for the recovery of uranium from phosphate rock has begun operation as a part of the plant of the Blockson Chemical Company near Joliet, Ill., the Atomic Energy Commission has announced.

Research, engineering and construction of the unit were accomplished by the Blockson Chemical Co., which has a contract to supply the recovered uranium to the Atomic Energy Commission.

Uranium occurs as a very minor component of the extensive phosphate deposits of Florida and several Western states. Studies sponsored by the AEC have established the feasibility of recovering these small quantities of uranium as part of the process of manufacturing sodium phosphate chemicals and concentrated commercial fertilizers.

The uranium recovery facilities will be operated in conjunction with the Blockson company's existing plant for the production of phosphate chemicals near Joliet. Phosphate rock from Florida is used in the plant.

### Several Firms In Research

Several other processors of phosphate rock have conducted research and pilot plant studies in the field of uranium recovery, and three companies are building full-scale recovery units. The International Minerals and Chemical Corp. and the Virginia-Carolina Chemical Corp. are incorporating uranium recovery units into plants now under construction near Mulberry, Fla., and the Texas City Chemicals, Incorporated, is building a recovery unit at Texas City, Tex.

## UCC Board Sets Dividend Of 50 Cents Per Share

The Board of Directors of Union Carbide and Carbon Corporation has declared a cash dividend of 50c per share on the outstanding capital stock of the Corporation payable March 2, 1953 to stockholders of record February 6, 1953.

The last quarterly dividend was 50c per share paid December 1, 1952. A special dividend of 50c a share was declared October 28, 1952, payable December 1, 1952.



Congratulations to—

James E. Borum, Field Maintenance, who became father of a boy born January 27 at the Oak Ridge Hospital.

## Broadcast Of Band Concert To Be Sponsored By Carbide

A program of band music by two picked groups of East Tennessee high school pupils will be heard over Oak Ridge Radio Station WOKE Sunday afternoon, February 8, the broadcast being sponsored by Carbide and Carbon Chemicals Company. The broadcast will begin at 2:30 p. m.

Each group of high school musicians will give a 45 minute program. The band members will be selected from high school musicians from the eastern section of the state attending the Senior High School Band Clinic to be held here Friday, Saturday and Sunday. George W. Wilson, band director of the University of Missouri, will conduct the clinic.

## Life Expectancy Is Growing As All-Time High Reached

Forty years ago the newly born infant of the American wage earner could look forward on the average to nearly 47 years of life. Today that many years still lie ahead for those who already have reached their 25th birthday.

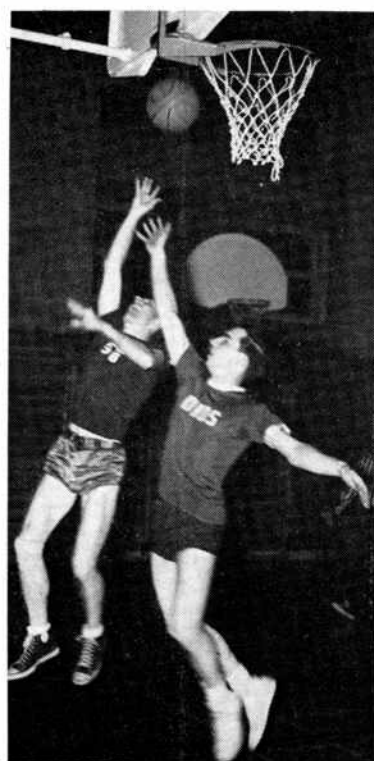
This example of the extent to which life has lengthened among the wage earning population of the country in little more than one generation is reported by Dr. Louis I. Dublin, chief statistician of the Metropolitan Life Insurance Co., and is based upon the company's experience with its millions of industrial policyholders.

In 1950 the expectation of life at birth among these insured reached an all-time high of 68.3 years. This is an increase of fully one-half year over the figure for 1949 and of 5½ years since 1940.





AT LONG LAST THE DUDS OF THE PLANT LEAGUE won their first game of the season last week and earned this picture. In front are W. Tyree, Manager C. Peterson and A. Collins. In the rear are L. Nabors, W. Malcolm, J. Gordon, C. McGinnis and F. Winstead.



## Duds Win First Of Season In 40-39 Upset Of R. H. Five

Grocers And Engineers Both Win Two Games To Maintain Nip And Tuck Race In Plant Loop

The so-called "slick paper jinx" failed to operate on the Duds basketballers of the Y-12 Plant Basketball League last week. Boosts for sports groups such as appeared in The Bulletin last week in behalf of that team sometimes has the effect of backfiring and embarrassing the praised subjects—but it apparently was a stimulant to the Duds, who won their first game of the season last Wednesday night by trouncing the Rough House Five to the tune of 40 to 39. Meanwhile the Grocers and Engineers kept up their neck and neck race for the league leadership, each winning two games.

With only four more games scheduled for each team, including Monday of this week, and the schedule coming to a close on Friday, February 13, the two game lead of the Grocers grows bigger and bigger. However, as written many times before, anything can happen and generally does in this league—so any attempt to settle the race on paper is strictly for the birds.

### Last Period Rally Wins

The Duds won that important triumph the hard way with a rally in the final quarter. The previously downtrodden quintet of Co-Managers Lowry and Peterson trailed two points at the first quarter, one at half time and the same margin at the three-quarter pole, 30 to 31. The Duds then took a hitch in their bitches and scored 10 points to eight for the opposition in the last quarter. Winstead paced the Duds with 17 points and Kappelman with 11 and Sewell with nine topped the losers.

The Grocers took their two decisions from the Duds, 39 to 25, and the Kilroys by 43 to 19. Huntley's 15 points led the winners in their first triumph of the week as the Dud's Malcolm got seven. Justice tallied 13, Carter nine and Huntley nine for the winners against the Kilroys, whose top tallier was Gifford with six.

### Engineers Post High Score

The Engineers posted the top score of the season in defeating the Guards by 61 to 23. The first period found the Engineers out in front by only four points, 13 to 9, but after that the boys in blue couldn't stop the victors. Sutton bagged 14 points and Thomas 13 for the Engineers while Reynolds with eight and C. R. Marler with six were top scorers for the Guards. In their other tilt last week the Engineers eked out a 31 to 27 win over the Kilroys with Meller dropping six points in for the winners. Fuson got eight for the Kilroys, who led 7 to 3 at the end of the first quarter, had a 11-all tie at the half but faded in the stretch.

The Rough House Five was forced to forfeit to the Guards in their scheduled engagement because of a lack of players.

The schedule for the remainder of the season follows, after a set of games slated for Monday night of this week:

**Friday, February 6—6 p. m.,** Grocers vs Guards. 7:20 p. m., Rough House Five vs Engineers. 8:40 p. m., Duds vs Kilroys.

**Wednesday, February 11—6 p. m.,** Kilroys vs Engineers. 7:20 p. m., Duds vs Grocers. 8:40 p. m., Guards vs Rough House Five.

**Friday, February 13—6 p. m.,** Grocers vs Rough House Five. 7:20 p. m., Guards vs Kilroys. 8:40 p. m., Engineers vs Duds.

League standing after games of last week follows:

Team	W	L
Grocers	10	1
Engineers	8	3
Guards	5	6
Rough House Five	5	7
Kilroys	4	6
Duds	1	10

Remember—Only you can  
**PREVENT FOREST FIRES!**

## Y-12 SPORTS

### Robins, Belles Battle For Lead

Y-12ers To Meet Loudon In Twin Bill Sunday

Another one of those basketeer-battles so noted when Y-12 and K-25 teams clash is expected tomorrow night, Thursday, February 5, when the masculine and feminine cagers of the old rivals clash at the high school gymnasium in an Oak Ridge City League program. The initial scrap is set for 7:15 p. m.

First place in the women's division of the Oak Ridge City League is at stake in the Robin-Bluebelles bout. While the Robins were smothering ORNL last week the American Legion sextet turned in an unexpected 27-17 win over K-25. That left the K-25 outfit with a five and two mark against a four and two record for Y-12.

In previous engagements this season the Robins and Bluebelles have broken even and the girls on both sides will be out for the decision to break the deadlock. So far the Cardinals have not been able to win from their West End foes, and therefore will be making an extraordinary effort to end the victory drought.

After the engagements tomorrow night the Y-12 cagers will return to the high school for a Sunday matinee double header against teams from Loudon. In a recent invasion of that city the Y-12ers broke even, the Robins winning and the men losing in interesting games.

Following these contests the Y-12 teams will wind up their regular league schedule on Thursday, February 12, with the Cards playing AEC and the Robins meeting the American Legionettes. Then on Saturday, February 14, both teams go to Nashville, returning for makeup games February 17 with the Robins meeting ORNL and the men playing AEC.

### Robins Swamp ORNL 49-6

Only one league contest was played by the Y-12 representatives last week, the Robins pouncing on the ORNL lassies by 46 to 9. The Labsters held the Robins to a six-six tie in the first quarter—but that was all, brother, for the girls down the road. They failed to score in the second period, added two in the third and one in the fourth while the Y-12 score kept mounting. Ruby O'Kain with 21 and Helen Brown with 13 points kept the Y-12ers rolling, and they played only three quarters of the game. Dykes scored eight out of the nine points tallied by ORNL. The men's game was postponed because of the illness of several Y-12 players.

### DATE MIX-UP DELAYS WOMEN'S PIN MEET

Because of a misunderstanding over dates, the women's city bowling tournament originally scheduled for last week end has been postponed to an undetermined later time. Women bowling officials of the city will meet Thursday night of this week to select a new time for the event.

## Women Bowlers Set Record In Whitewash; Men Also Triumph By Blanking Legion

Both Y-12 varsity bowling teams were at their peaks last week to roll roughshod over the opposition and as a result two whitewash victories were posted by the plant keglers in the Oak Ridge City League. The men blanked the American Legion pinmen while the women took the measure of the K-25 lassies. The wins enabled the Y-12 teams to stay out in front in both circuits. The women with a 58-14 record, have a margin of four points over Rickers in second place while the men are 14 points ahead of K-25. The keglettes of Y-12 turned in the top series score of the season in defeating K-25, the Y-12 markers being 813, 773, 753—2339; to 666, 664, 686—2016 for the losers. Ruby O'Kain had her best night of the season with 190, 204, 159—553 for Y-12 and was followed by Mavis Koons 199, 142, 134—475; Juanita Reed 177, 130, 153—460; Ann Weissinger 135, 166, 137—438; and Dot Park 112, 131, 170—413.

In whipping the Legionnaires the Y-12 men posted game scores of 872, 910, 846—2628 against 784, 835, 817—2526. Len Hart again led the victors with 223, 192, 188—603; then came Joe Pryson 181, 189, 165—553; Jack Spears 145, 225, 178—548; Ernie Cobble 165, 139, 172—476; and Frank Gragg 158, 165, 143—466.

## Volleyballers Win Three From K-1401

The Y-12 volleyballers got back into the A Division of the City Volleyball League last week by whitewashing the K-25 outfit at Elm Grove. The Y-12ers are scheduled to meet Willow Brook at 9 o'clock next Monday night at Elm Grove and were slated to play the K-25 1037 team on Monday night of this week. Oak Ridge National Laboratory and Atomic Energy Commission teams were tied for first place last week with five wins and one loss. Willow Brook was next with four and two, then came Y-12 with three and three. The two K-25 teams were tied for last with one win and five losses.

## Atlanta Peaches Smother Robins

The Y-12 Robins ran up against one of the nation's finest feminine basketball aggregations last Saturday night down in Georgia when they dropped a 63 to 17 decision to the Atlanta Peaches. The game was played for the benefit of cage fans at Logansville, Ga., about 25 miles from Atlanta. The Peaches were just too big, too fast and too good for the Y-12 lassies.

Alcohol is a grand preservative for most anything except secrets.

## Peons Grab First Place In D League

The standing in the D League of plant bowlers underwent a big shuffling last week, the Peons bouncing into first place through a whitewash win over the Vectors and the Grocers blanking the Split Kids to climb to second place. The Activators took three from the Old Men and the Isotopes topped the Toppers by the same margin.

The Activator's Favatella took complete charge of individual scoring with marks of 227, 262, 577 and 682 across the boards, all high for the second half of the season. His team had a 2843 handicap series for best of the night but the Toppers took the other brackets with a 833 scratch game, boosted to 990 with handicap; and a 2318 scratch series.

League standing follows:

Team	W	L
Peons	12	4
Grocers	10	6
Split Kids	9	7
Old Men	8	8
Activators	8	8
Toppers	6	10
Isotopes	6	10
Vectors	5	11

## Engineers Divide In Class B Loop

The Engineers basketballers of the Y-12 Plant League who are past-timing in the Oak Ridge Class B Recreation League broke even in two engagements last week. They trounced the Oak Ridge Institute of Nuclear Studies Five by 67-17 but dropped a decision to the K-25 Little Blues by the score of 63 to 32. Against ORINS Sutton and Simmons were high for Y-12 with 10 points each. Kennedy was high for the Engineers against K-25 with 10 counters. Harris had 21 and Sullivan 21 for the Little Blues.

## Cardinals Defeat Oneida By 58-31

The Y-12 Cardinals continued their barnstorming last Saturday night, journeying over to Oneida, Tenn., and giving the home lads a lesson in the fine art of basketearing to the tune of 58 to 31. The Y-12ers' scoring was well distributed with Lovell getting 10 for high man.

**A THRILLING MOMENT IN the Duds - Rough House Five game last week came when Bill Malcolm, right, and Fred Kappelman go high after the ball in the top picture. Below is a mix-up under the basket around L. Nabors, Duds, tall lad in right center, shooting for the hoop. Others in the picture are, from left, Kappelman (who has run out of his shirt between pictures); Frank Winstead, Duds; Malcolm, Duds; Schaick and Simmons, Rough House Five.**

## Pin Wobblers Cut Lead Of Cut Ups

The Pin Wobblers wobbled a step nearer first place in the E League last week by handing the No Pins a three point paddling while the Cut Ups barely managed to hold on to their first place spot by dividing with the Easy Aces. The Stinkers and 66s also rolled to a deadlock and the biggest gain in the loop was made by the Peglers with a whitewash win over the Hobslurps.

Paddy Peckman's scoring helped the Peglers to their triumph, the old southpaw posting a 200 scratch game, 222 handicap game and 536 scratch series. Ralph Ford, Pin Wobblers, had a 603 handicap series. The Peglers swept team scoring honors with a 839 scratch game, tops of the second half; 999 handicap game, 2320 scratch series and 2803 handicap series.

League standing follows:

Team	W	L
Cut Ups	13	3
Pin Wobblers	12	4
Easy Aces	10	6
Stinkers	10	6
66s	7	9
Peglers	7	9
Hobslurps	3	13
No Pins	2	14



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## Has Beens Extend B League Margin

The Has Beens climbed another notch in the B League standings last Thursday by whitewashing the Bumpers while their nearest rivals, the Tigers, had to be content with whipping the Rebels for three. Other matches saw the Wolves sting the Wasps, Cubs claw the Swingsters and the Bums bump the All Stars, each by three points, and the Rippers and Bldg. 9211 split even.

Jack Spears, Rebels, had most of the individual scoring leads for the night with a 220 scratch game, boosted to 237 with handicap, and a 599 scratch series. Jim White, Bums, had a 682 handicap series. The Has Beens led in single game tallies with a 873 scratch and 1013 handicap mark. The Rebels' 2527 scratch series led the bunch as did the 2960 handicap series of the Tigers.

League standing follows:

Team	W	L
Has Beens	28	4
Tigers	23 1/2	8 1/2
Wolves	19	13
Bumpers	18	14
Bldg. 9211	18	14
Cubs	15 1/2	16 1/2
Rippers	15	17
Rebels	14	18
All Stars	13	19
Bums	12	20
Swingsters	9	23
Wasps	7	25

## ORNL Riflemen Beaten By Y-12ers

Another victory was registered last week by the Y-12 rifle team as the plant sharpshooters downed the Oak Ridge National Laboratory in both scratch and handicap scores. The tallies were 867 to 836 scratch and 967.625 to 965.460 handicap.

The five top handicap scorers for Y-12 that took the honors, with their scratch scores, were J. Gallimore 195.000—169; H. C. Hoy 194.449—178; R. Wollan 192.957—161; J. D. Rose 192.859—178; R. Goosie 192.320—152. Other Y-12 markers were W. R. Rathkamp 191.714—184 (top scratch score of the night); J. P. Smith 190.720—155; W. D. Cunningham 190.159—161; C. L. Hill 189.920—141; C. Brewster 189.440; William Rice 188.640—129; I. G. Speas 186.880—118.

The Y-12ers now have a record of seven scratch wins against no losses and six victories and one defeat in handicap firing. The Y-12 team is slated to meet K-25 on Monday night of this week.



## Rides Wanted, Offered

**Riders Wanted**—From West Knoxville, straight day. B. K. Holbert, plant telephone 7784, home telephone 8-4105.

## Angstroms Climb To Top In C Loop

That tie for first place in the C League was broken wide open last week when the Angstroms whacked the Moles for four points while the Guards were being blanked by the Eutectics, leaving the first named team out in front by four lengths. The Uranium Control Junior Varsity keggers split with the Hornets and the Rusty Five, first half winners, bagged three from the Hooks.

The Rusty Five swept team scoring tops with 849, 1046, 2374 and 2878 across the board, all but the last being high for the second half. Mason, of the Hooks, had the best single game scores, a 198 scratch and 243 handicap. Peckman, Rusty Five, rolled a 523 scratch series and Hopkins, UCJV, a 621 handicap series for best of the night.

League standing follows:

Team	W	L
Angstroms	15	1
Guards	11	5
Eutectics	9	7
Moles	7	9
UCJV	7	9
Rusty Five	7	9
Hornets	6	10
Hooks	2	14

## Three Teams Threat To Kemps In Loop

With the last place Curvettes conquering the loop leading Kemps for two out of three games last week, the W League race tightened up considerably as three teams each took whitewash victories. The Cracker Jax blanked the Gutter Cats to hold second place, just one game back of the leaders. The Controllers, first half winners who got off to a wobbly start in the final half, also advanced to a tie for third by beating the Mix Ups. The Alley Cats shared third place by trimming the Striketees.

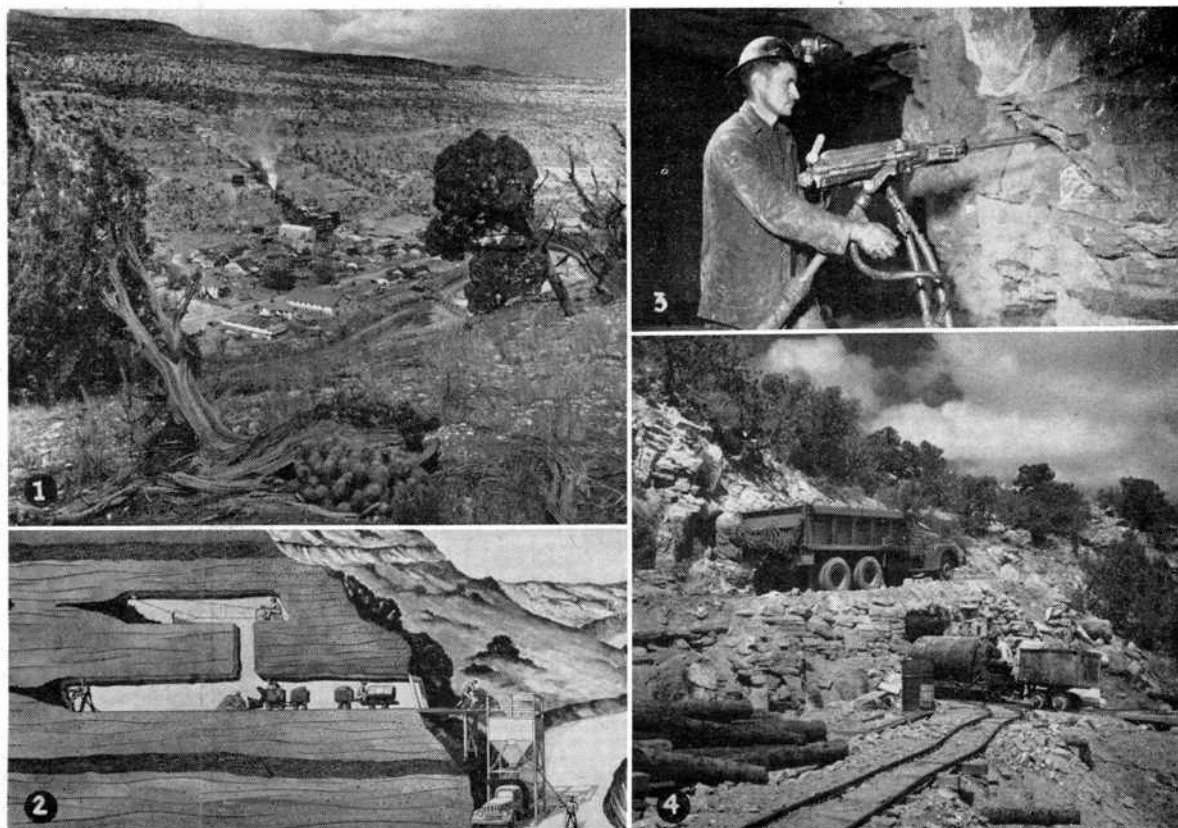
The Alley Cats took most of the team scoring tops with a 699 scratch game, boosted to 1004 handicap, best of the second half to date, and a 2762 handicap series. A 1983 scratch series by the Controllers was best of the night. Juanita Reed, Controllers, had top individual scores for the night and second half with 200, 236, 544 and 652 across the board.

League standing follows:

Team	W	L
Kemps	11	4
Cracker Jax	10	5
Alley Cats	9	6
Controllers	9	6
Mix Ups	6	9
Gutter Cats	6	9
Striketees	5	10
Curvettes	4	11

## 'QUAKES TOP BOMBS

The New York Times quotes Dr. J. Joseph Lynch, director of the Fordham University Seismological Observatory, as saying the nuclear fission (hydrogen) bombs exploded at Eniwetok create shock waves that can be recorded by seismographs 5,000 miles away while earthquakes can be recorded 12,000 miles away.



(1) THE URANIUM ORE TREATMENT PLANT OF THE UNITED STATES VANADIUM COMPANY at Uravan, Col., seen from a mesa overlooking the San Miguel Valley. (2) A cross-section of a typical uranium mine. There are more than 230 such mines in the Colorado Plateau area but most operations are small because ore bodies are small and spotty. (3) Uranium miner using a compressed air powered hammer to dislodge uranium ore. (4) A small compressed air driven locomotive pushes an ore car out of the portal of a mine. Above is an ore truck ready to be loaded with ore to take to the Uravan plant.

## New Process For Treating Uranium Ore Begun At Colorado Mill Of Vanadium

A new process for treating uranium ores has been placed in operation at the Uravan, Col., mill of United States Vanadium Company. Walter E. Remmers, President of this Division of Union Carbide and Carbon Corporation, announced that the Uravan mill has been doubled in capacity as a result of an expansion program started last year. It is the largest of the nation's uranium ore-treatment plants.

### Most Efficient Developed

The Company has been installing at Uravan for the past year a process especially developed for treating high-lime uranium ores. It is believed to be the most efficient process yet developed for the recovery of both uranium and vanadium, the two principal minerals found in the carnotite ores of the Colorado Plateau area. Although high-lime ores are fairly abundant in this region, they have never been mined to any great extent because the presence of lime increases the difficulty and cost of extracting the uranium and vanadium. With the new installations, however, United States Vanadium Company believes that it can overcome the problems previously encountered in processing these ores. This will mean a considerable expansion of mining activity throughout the whole area.

There now are eight mills in the Colorado Plateau area processing uranium ores, and two new mills are under construction. The new facilities at Uravan will provide additional capacity equal to, and in some cases larger than, that of any other mills in the Plateau. Expansion there has involved the erection of a number of thickening and solution tanks of about 40,000-gallon capacity; new roasters several stories high; additional filtering equipment; and enlargement of the sampling plant.

### Uranium Program Cited

Completion of the Uravan expansion program at this time is particularly significant, since it comes on the heels of a Government appeal for greater production of uranium from domestic ores. It is estimated that more than \$30,000,000 a year is currently being spent for the mining and refining of uranium ores in the Colorado Plateau, and almost 5,000 persons now are taking part in this phase of the atomic energy pro-

gram. Development of the area has advanced to the point where the Plateau is now the second largest source of uranium in the world, and this country's chief domestic source. The Plateau, itself, takes in an area of some 65,000 square miles. It reaches into four states: Colorado, Utah, New Mexico, and Arizona.

It is estimated that the United States Government has about 500 persons engaged in the program, including the geologists and mining engineers of the Atomic Energy Commission's Exploration Branch, as well as those of the United States Geology Survey. More than 1,000 persons are in the mining end of the business, and 250 engaged in drilling operations. Another 150 are taking part in trucking the ore and supplies to and from the mines and mills. Milling operations account for more than 1,000; and the balance is made up largely of construction workers.

### Plateau Work Now At Peak

The organized prospecting and exploration work done by the mining companies and Government agencies in the Colorado Plateau today is said to surpass in scope of operations any similar mineral search in the history of the world. Private companies, for example are spending more than \$3,000,000 a year on drilling alone, and the Government itself is engaged in a tremendous drilling program through various private contractors.

Mining activities are also at an all-time high. Altogether, the Plateau area has well over 200 uranium mines in operation. However, since most of the operations are small and scattered, few people realize the extent to which the uranium mining industry there has grown.

### Transportation Is Problem

The vastness of the area poses quite a transportation problem. Truckers often make two trips a day over several hundred miles of rugged terrain on winding roads that are no wider than old wagon trails. However, the Atomic Energy Commission is sponsoring a \$4,000,000 road program, of which over \$2,000,000 is in Colorado.

The outstanding success of the uranium program in the Plateau area has been the result of efforts

## Attendance Record

### MAJOR LEAGUE More Than 50 Employees Scheduled

Dept.	Absent	Percentage	Standing
		1-25-53	1-18-53
2005	2.2	1	5
2008	2.4	2	1
2077	2.5	3	7
2091	2.7	4	6
2690	3.0	5	9
2018	3.1	6	10
2617	3.3	7	8
2790	3.5	8	4
2619	3.8	9	3
2739	4.3	10	2
2003	5.0	11	12
2618	6.2	12	17
2108	6.5	13	19
2142	6.6	14	15
2015	6.7	15	11
2014	7.7	16	14
2773	8.3	17	16
2001	9.4	18	18

Group absentee percentage was 4.5 per cent, 1.1 per cent higher than the preceding week.

### MINOR LEAGUE 15-49 Employees Scheduled

Dept.	Absent	Percentage	Standing
		1-25-53	1-18-53
2743	.0	1	1
2143	1.6	2	3
2140	2.0	3	8
2002	2.9	4	4
2093	3.1	5	1
2107	3.3	6	1
2616	3.3	6	6
2144	4.6	8	8
2109	5.3	9	5
2200	6.7	10	1
2301	7.1	11	9
2133	7.6	12	2
2046	12.2	13	11
2090	14.8	14	10
2096	16.7	15	12
2145	16.7	15	7

Group absentee percentage was 6.4 per cent, 2.3 per cent higher than the preceding week.

The plant average for the week ending January 25 was 5.8 per cent, 2.5 per cent higher than for the preceding week.

of many organizations. When the Atomic Energy Commission started its program, it enlisted the aid of residents in the area and the many industries—both large and small—that are operating there. United States Vanadium Company, which is one of the earliest operators in the Plateau, has about 50 active agreements with mining contractors for the working of its own mining properties. The Company also buys ore from approximately 90 other independent contractors.

In addition to the Uravan mill, the Company owns and operates an ore-processing plant at Rifle, Col., and has a sampling plant at Thompson, Utah. During the past year, the Company spent approximately \$6,000,000 in the Plateau for payrolls and the purchase of services, supplies, and materials—exclusive of ore.

Drive carefully and courteously—don't insist on your rites.